Approved For Release 2007/0 TOP SECRET	3/03: CIA-RDP78T05929AQ01200040015-8 6 November 1965
	Page / Copy3
	SASIN ICBM MISSILE USSR
WEAPON CATEGORY:	
	INTERCONTINENTAL BALLISTIC MISSILE.
	u.s. designationss-8 (sasin); soviet
	DESIGNATION UNKNOWN. (PHOTO TAKEN 9
	MAY 65, MOSCOW VE DAY PARADE; MISSILE
	WAS FIRST SEEN AND PHOTOGRAPHED DURING
	7 NOV 64 MOSCOW PARADE).
PRODUCTIC:	
	THE KALININGRAD MISSILE DEVELOPMENT
	COMPLEX IS A MAJOR CENTER IN THE USSR
	FOR RESEARCH AND DEVELOPMENT OF SURFACE-
	TO-SURFACE BALLISTIC MISSILES AND SPACE
	VEHICLES. WITHIN THE COMPLEX ARE THE
	CENTRAL DESIGN BUREAU FOR SPACE AND
	INTERCONTINENTAL ROCKETS WHICH IS RE-
	•
	SPONSIBLE FOR ALL MAJOR LIGHT PROPEL-
	LANT SSM'S AND SPACE VEHICLES; SCIENTIFIC
	RESEARCH INSTITUTE NO. 88 WHICH DEVELOPED
	RESEARCH INSTITUTE NO. 88 WHICH DEVELOPED THE SS-8; AND MISSILE PLANT NO. 88 WHICH
	THE SS-8; AND MISSILE PLANT NO. 88 WHICH

GROUP 1 Excluded from automatic dewagrading and declassification

TOP SECRET
Approved For Release 2007/03/03 : CIA-RDP78T05929A001200040015-8

TOP SCORET	6 November 1965
	Page 2
RESEARCH DEVELOPMENT:	
	THE INITIAL SS-8 TEST FLIGHTS WERE FIRE
	FROM LAUNCH COMPLEX "A" (PAD A2) AT THE
	TYURATAM MISSILE TEST CENTER.
TROOP TRAINING & OPERATIONAL TESTING:	
	LAUNCH COMPLEX "F", TYURATAM MTC. THIS
	HARDENED, THREE-SILO LAUNCH FACILITY IS
	THE PROTOTYPE FOR THE DEPLOYED SS-8
·	•
	HARDENED LAUNCH SITES.
DEPLOYED SITE:	
	LAUNCH AREA "A" AT THE OMSK ICBM COMPLEX
	IS ONE OF THREE HARDENED SS-8 LAUNCH
	FACILITIES KNOWN TO BE DEPLOYED IN THE
	USSR.
MISSILE DESCRIPTION:	
	THE SS-8 (SASIN) IS A TANDEM, TWO-STAGE,
	LIQUID-PROPELLED ICBM.
	F1
	162,000 LBS
	328,000 LBS
	68,000 LBS
These notes have been prepared for briefing purpose	•

TOP SECRET
Approved For Release 2007/03/03 : CIA-RDP78T05929A001200040015-8

TOP SECRET	3/03 : CIA-RDP78T05929A001200040015-8 2 6 November 1965
	Page 3
	6,500 NM 2
	AN SS-8 READY FOR FLIGHT MAY BE AS MUCH
	AS 10 FT LONGER THAN THE PARADE MISSILES
	BECAUSE IT IS BELIEVED TO USE A SINGLE
	THRUST CHAMBER WHICH CANNOT BE CONTAINED
	WITHIN THE MISSILE BUT WOULD HAVE TO
en de la companya de Na companya de la co	
	PROTRUDE FROM THE REAR. IN ADDITION, THE
	NOSECONE SHOWN WAS PROBABLY SMALLER THAN
	THE ACTUAL REENTRY VEHICLE.
7. PROPULSION:	•
	THE SS-8 EMPLOYS CRYOGENIC PROPELLANTS. 2
	THE FUEL IS AN AMINE, AND THE OXIDIZER
	IS LIQUID OXYGEN (LOX). THERE IS A
	SINGLE BOOSTER ENGINE ON THE FIRST STAGE,
	AND THE SECOND STAGE HAS A SINGLE SUSTAIN-
	ER ENGINE AND FOUR VERNIER/CONTROL CHAM-
	BERS.

These notes have been prepared for briefing purposes only and should not be used for detailed analytical work. Their we should be restricted to the particular briefing board(s) they only for the reporting period as indicated by the date

	Approved For Release 2007/03/0	03 : CIA-RDP78T05929Ap012p0040015-8
	TOP SECRET	6 November 1965
		Page 4
•		25
8.	GUIDANCE:	1 '
		BELIEVED TO BE RADIO-INERTIAL. THIS TYPE 25
		OF GUIDANCE MAKES THE SS-8 A HIGHLY ACCU-
		RATE WEAPON SYSTEM.
9.	BASING:	
		THE SS-8 HAS TWO TYPES OF LAUNCH FACIL- 25
		ITIES. ONE IS THE HARDENED, THREE-SILO
		FACILITY, AND THE OTHER IS A "SOFT"
		FACILITY. THE "SOFT" LAUNCH FACILITY
		CONTAINS TWO FLAT CONCRETE LAUNCH PADS.
		IN THE HARDENED MODE, IT IS BELIEVED THAT
		THE SS-8 IS FIRED FROM WITHIN THE SILO
		RATHER THAN FIRST BEING ELEVATED TO THE
		SURFACE.
		BURTACE.
	<u> </u>	•

TOP SECRET

These notes have been prepared for briefing purposes only and should not be used for detailed analytical work. Their use should be restricted to the particular briefing board(r) they were prepared for and must be considered validably for the reporting period as indicated by the date of i



TOP SECRET

6 November 1965

Page 6

.11. FLIGHT TESTING:

THE FIRST DETECTED FLIGHT TEST OF THE

SS-8 TOOK PLACE ON 9 APR 61. THIS TEST,
A FAILURE, FOLLOWED BY ABOUT TWO MONTHS

THE INITIAL FLIGHT TEST OF THE SS-7 (FEB

61), THE USSR'S MOST WIDEL DEPLOYED ICBM.

INCLUDING THE INITIAL FLICHT TEST, THE

SS-8 HAS BEEN FLOWN A TOTAL OF 58 TIMES

AS OF 4 NOV 65. SEVENTEEN OF THESE FIRINGS

RESULTED IN FAILURES, AND THE RESULT OF

ONE (TO THE 3,400 NM RANGE) IS UNDETER
MINED. OF THE TOTAL NUMBER OF FIRINGS,

SIX HAVE BEEN TO EXTENDED RANGES AND TWO

OF THESE HAVE BEEN FAILURES.

EARLY SS-8 FIRINGS WERE MARKED BY A
DEGREE OF UNRELIABILITY UNUSUAL FOR SOVIET

These notes have been prepared for briefing purposes only and should not be used for detailed analytical work. Their use should be restricted to the particular briefing board(s) they were prepared for and must be considered valid only for the reporting period as indicated by the date

2

Apploved For Release 2007/03/03 : CIA RDP78T05929Ap01200040015-8

TOP SECRET

6 November 1965

Page _2_

ICBMS AND BY LONG PERIODS OF TIME

BETWEEN LAUNCHES (E.G., 159 AND 196 DAYS).

OPERATIONAL PROOF-TESTING OF THE SS-8

APPARENTLY ENDED WITH THE FIRING OF TWO

SS-8'S WITHIN 30 MINUTES ON 22 JAN 64,

ONE TO THE 3,400 NM IMPACT AREA, AND ONE

TO THE 6,500 NM IMPACT AREA.

12. DEPLOYMENT:

THERE ARE THREE HARDENED AND SEVEN SOFT 2
SS-8 LAUNCH FACILITIES (TOTAL OF 23
LAUNCHERS) WHICH HAVE BEEN IDENTIFIED IN
THE USSR. THESE SITES ARE DEPLOYED AT THE
KOZELSK, OMSK, PLESETSK, AND TYUMEN ICBM
COMPLEXES.

These notes have been prepared for briefing purposes only and should not be used for detailed analytical work.

Their use should be restricted to the particular briefing board(s) they were prepared for and must be considered validable for the reporting period as indicated by the definition of the reporting period as indicated by the definition of the reporting period as indicated by the definition of the reporting period as indicated by the definition of the reporting period as indicated by the definition of the reporting period as indicated by the definition of the reporting period as indicated by the definition of the reporting period as indicated by the definition of the reporting period as indicated by the definition of the reporting period as indicated by the definition of the restriction of the